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[54] AIR PURIFIER

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[57] ABSTRACT

PROBLEM TO BE SOLVED: To purify air by not only removing dirt and dust in air but also removing harmful organic substances or the like in the air.

SOLUTION: Both end faces in the longitudinal direction of a rectangular parallelepiped box body 1 whose inside is made hollow and to be an air flow path 2 are opened in an optional shape and communicated with the air flow path inside the box body. An air intake port is attained by attaching a dust removing filter 3 to one end face and an air discharge port is attained by attaching a motor-driven fan 5 to the end face on the opposite side. Also, the optional surface of the air flow path inside the box body is turned to a photocatalyst surface 7 coated with a titanium oxide and an ultraviolet ray lamp 8 is disposed at a position to irradiate the photocatalyst surface coated with the titanium oxide.

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